

G-5301 WFGD Spec Outstanding Issues

**G-5301 FGD OUTSTANDING ISSUES
COMMENTS ON S&L SUBMITTAL SL-0305 OF SEPTEMBER 8, 2011, REV. 3**

| Item | Issue | Section | Remarks |
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| 1 | NPPD to provide contact info for Karla Tremel and Bob Nitsch | Section B, paragraph E | Karla J. Tremel, Procurement Manager ph: 402-563-5457, fax: 402-563-5034, email: kjtreme@nppd.com, Bob B. Nitsch - Project Engineering Leader, ph: 308-386-5312, fax: 308-386-5275, email: bbnitsc@nppd.com |
| 2 | NPPD to confirm number of days to accept retainage payment after final invoicing | Section C, paragraph C | NPPD requests that S&L draft a progress payment schedule for the FGD and it would replace the current payment language in Section D. The final payment should not exceed 10% and would be due 30 days after all terms of the Contract, except warranty, have been fulfilled. |
| 3 | NPPD to insert pre-bid paragraph from the A-2 page | Section C, paragraph F | See the A-2 page to be provided seperately |
| 4 | NPPD to provide expected award date | Section C, paragraph I | At time of issuing contract |
| 5 | Need to determine substantial and final completion dates | Section C, paragraph T, X | At time of issuing contract |
| 6 | Determine appropriate LD values for late documentation and completion dates. Values currently in document are typical values. | Section C, paragraph X | Question to S&L: What are these values based on? Since penalties are not legal in Nebraska, these values need to be a percentage (not to exceed) of what the actual damages are expected to be for not meeting the milestone dates. Who can determine / estimate what NPPD's actual damages would be? |
| 7 | Determine LD values for performance guarantees. | Section C, paragraph X.5 | See item 6 |
| 8 | NPPD to advise how many hardcopies of final as-built drawings | Section C, paragraphs W.3.b and W.7.b | Three hard copies plus electronic |
| 9 | NPPD to advise the personnel who should be notified of shipments | Section F, paragraph NN.2 | At time of issuing contract |
| 10 | NPPD to advise the personnel who should be notified of deliveries | Section F, paragraph NN.5 | At time of issuing contract |
| 11 | Any of the FGD buildings to have office space, or control stations / electrical rooms? This impacts HVAC and fire protection requirements. | Section G | |
| 12 | Need to determine schedule | Section G, Section 013216 | At time of issuing contract |
| 13 | NPPD to confirm number of hard copies desired for draft version and final version of training manual | Section G, Section 017900 | At time of issuing contract |
| 14 | NPPD to determine # of training manuals required | Section G, Section 017900 | At time of issuing contract |
| 15 | NPPD to provide existing fire protection system information - fire pump curves, location of fire pumps, fire pump discharge piping layout, existing underground fire loop layout, existing main fire alarm control panel location, manufacturer, spare terminal space, etc. S&L will also review previously received drawings and data. | Section G, Section 210000 Attachment 5 | |
| 16 | NPPD to confirm what type of fire hose station is preferred - Class II or Class III | Section G, Section 210000 | |
| 17 | Booster fire pump is likely not required, however, this is based on existing fire system and available supply pressure. For now, spec will include requirements for a booster pump and associated jockey pump | Section G, Section 210000 | |

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| 18 | Interfacing of the new fire systems to the existing fire system main control panel is unclear. Details of existing fire alarm/control system are required and need to determine how and who will perform the interface work. This will apply to other contractors as well. | Section G, Section 210000 | |
| 19 | Confirm NPPD's intent for gypsum quality and expectations for belt filter chloride washing. Do we want the belt filters designed to accommodate future washing equipment, or do we want washing equipment to be supplied as well. This affects gypsum quality guarantee and associated LD. | Section G, Section 441130 Section C | |
| 20 | Commissioning program: The approach to how commissioning/statusup will be performed and managed for this project needs to be clarified. For the time being, the approach will have each contractor be responsible to commission and startup his equipment. However, this may be problematic when interfacing with other contractors. Who would provide overall project oversight and coordination of commissioning work? Does NPPD intend to hire a third party organization to perform commissioning management, coordination, and/or activities? How do we determine division of responsibilities for commissioning? | Section G, Section 481110 Section C | |
| 21 | Project Meetings: We currently have requirements in Section g for project meetings. NPPD comment indicates that Section | Section G, Sections 000110 and 013119 | |
| 22 | S&L has revised specification to include a 2 x 100% set of air compressors and dryers, sized to handle the air requirements for all of the FGD and material handling equipment. These would be located in the reagent prep area. Two receivers (one for IA and one for SA) would be provided, in same area as compressors and dryers. Contractor would have option to provide additional receivers if the design dictates their necessity. Previous correspondence with NPPD suggested that compressors, dryers and receivers would be provided for each unit, with a cross-tie. S&L feels this is unnecessary, involves extra equipment to operate and maintain, and will require the absorber buildings to be larger. | Section G, Sections 011100 and 431250 | |
| 23 | Will need to insert actual data from GGS MACT testing | Section G, Attachment 2 | |
| 24 | Need to develop a complete equipment/component numbering guideline that is to be used on the MPCE project for GGS. This needs to be included in all contracts so that the suppliers are aware of how to number their equipment/components. | Section G, Attachment 6 | |
| 25 | NPPD to provide assumed interest rate credit | Section H, paragraph A | At time of issuing contract |
| 26 | NPPD to provide completion date | Section H, paragraph A | At time of issuing contract |
| 27 | Determine scoring factors | Section H, paragraph D | At time of issuing contract |
| 28 | Update reference drawings as required | Section I, paragraph B | At time of issuing contract |
| 29 | NPPD to advise on requirements for hard copies, if any | Section I, paragraph E.1.a | Three hard copies plus electronic |
| 30 | NPPD to advise contact info for drawings and manuals | Section I, paragraph E.3.b | Bob Nitsch |
| 31 | Due dates for many of the drawing types still to be determined | Section I, paragraph F | At time of issuing contract |
| 32 | Since this contract will most probably be negotiated, should the boiler plate be changed to more closely match the burner contract? | | |

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| 33 | Does Section 033115, Concrete Work, apply to concrete absorber vessels and tanks? | | |
| 34 | Note: Section 142113 is for Rack & Pinion elevator - for use where? | | |
| 35 | How to test emergency quench pumps? - 2 per unit or 1 per unit? What happens to the water pooling in the bottom of the FRP liner when system initiates? | | |
| 36 | On WFGD performance tests, should we have a "not to exceed" value on the blowdown waste stream? | | |